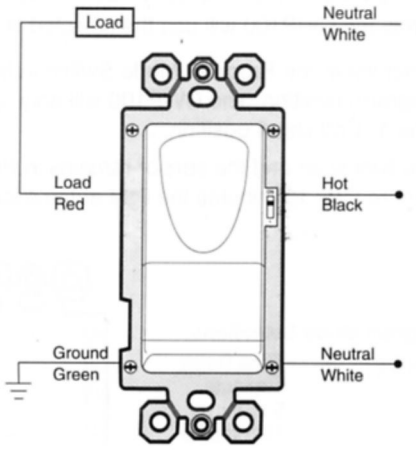
WIRING



Single-sensor wiring

LIMITED FIVE YEAR WARRANTY

Pass & Seymour/Legrand will remedy any defect in workmanship or material in Pass & Seymour/Legrand products which may develop under proper and normal use within five years from the date of purchase by a consumer:

(1) by repair or replacement, or, at Pass & Seymour/Legrand's option, (2) by return of an amount equal to the consumer's purchase price. Such remedy is IN LIEU OF ANY AND ALL EXPRESSED OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Such remedy by Pass & Seymour/Legrand does not include or cover cost of labor for removal or reinstallation of the product. ALL OTHER FURTHER ELEMENTS OF DAMAGE (INCIDENTAL OR CONSEQUENTIAL DAMAGES) FOR BREACH OF ANY AND ALL EXPRESSED OR IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXCLUDED HEREBY. (Some states do not allow disclaimer or exclusion or limitation of incidental or consequential damages, so the above disclaimers and limitation or exclusion may not apply to you.) ANY IMPLIED WARRANTIES INCLUDING WHERE REQUIRED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE SHALL BE LIMITED TO THE FIVE YEAR PERIOD SET FORTH ABOVE. (Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.)

To ensure safety, all repairs to Pass & Seymour/Legrand products must be made by Pass & Seymour/Legrand or under its specific direction. Procedure to obtain performance of any warranty obligation is as follows: (1) Contact Pass & Seymour/Legrand, P.O. Box 4822, Syracuse, NY 13221 for instructions concerning return or repair; (2) return the product to Pass & Seymour/Legrand, postage paid, with your name and address and a written description of the installation or use of the Pass & Seymour/Legrand product, and the observed defects or failure to operate, or other claimed basis for dissatisfaction.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Pass & Seymour
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P.O. Box 4822
Syracuse, NY 13221-4822
(800) 223-4185

P/N 340703 Rev. B
05869 r1

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Installation and Operating Instructions

CWP100

120VAC, 60Hz

RESIDENTIAL VACANCY SENSOR

California Title 24 2005 Compliant

DESCRIPTION

The CWP100 is a motion sensing wall switch that turns off lighting based on vacancy. The sensor uses passive infrared (PIR) technology to sense human motion in a controlled space. If it does not sense human motion, it determines that the area is vacant and automatically turns the lights off.

In order to keep the lights on when someone is in the room, the sensor must have a clear view of occupants. Obstructions such as furniture blocking the sensor's lens may prevent occupancy detection.

Note: Windows, glass shower doors, etc. will obstruct the CWP100's view and may prevent detection.

Through the CWP100's mode selection, the user can specify the time delay that lights will be left on after the last motion is detected (see Sensor Adjustment & Programming section).

OPERATION

Manual-ON

Users must turn lights on by pushing the ON/OFF button. Lights will not turn on automatically with occupancy. However, for a grace period of 30 seconds, after automatic shut-off, the CWP100 will automatically turn the load back on when motion is detected.

Time Delay

The CWP100 automatically turns lights off after a space becomes vacant and a preset time interval, or time delay, elapses. If lights are left on and no motion is detected for the time delay selected (factory default = 15 minutes), the CWP100 automatically turns lights off.

The ON/OFF button can be used to turn lights off before the time delay expires.

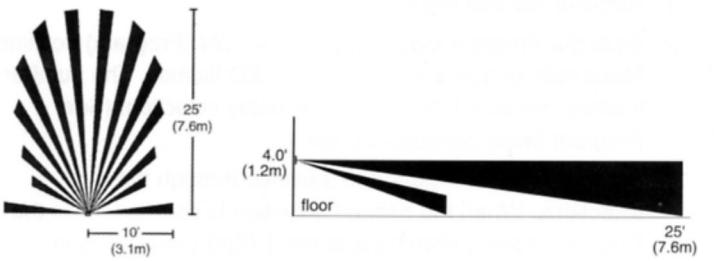
SPECIFICATIONS

CWP100

Voltage 120VAC, 60Hz
Load Requirements
@120VAC.....0-500W Incandescent, MLV, ELV
.....Fluorescent and Compact Fluorescent
Horsepower Rating .....1/6 HP
Time Delay Adjustment .....1, 5, 10, 15, 20, or 30 minutes
Power Consumption .....0.92W maximum
Operating Temperature Range.....32-131°F (0-55°C)
Operating Humidity Range .....95% RH, non-condensing

COVERAGE PATTERNS

The CWP100 has a coverage range of 180 degrees and a maximum coverage area of 300 sq. ft. To maintain its coverage capacity and optimally detect motion, the CWP100 must have a clear and unobstructed view.

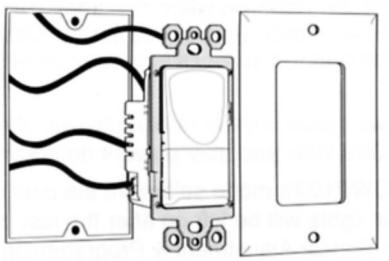


CAUTION: TURN THE POWER OFF AT THE CIRCUIT BREAKER BEFORE WIRING

INSTALLATION

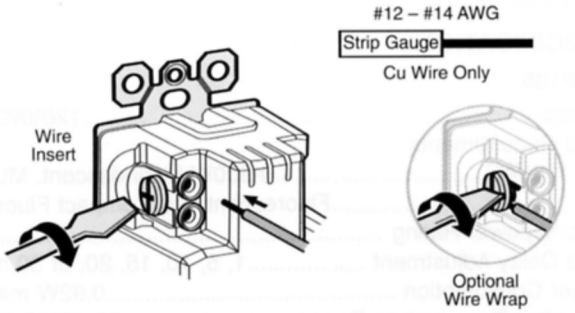
Caution: A neutral connection is required for sensor operation. A qualified electrician should be consulted regarding the availability of a neutral in your particular installation.

1. Turn power off at circuit breaker.
2. Connect the wires to the sensor terminals as follows:
   - **Hot** or Black to LINE;
     Load or Red to LOAD;
     Ground or Green to GROUND;
     Neutral or White to NEUTRAL.



   - Do not allow any bare wire to show above the connector.
3. Attach the sensor to the wall box using the screws provided.
4. Attach the wall plate.
5. Turn on the circuit breaker.
6. Push the ON/OFF button to activate the sensor.
   The sensor will enter test mode for 5 minutes before beginning normal operation. Allow device to complete self test period before checking for proper operation.

NOTE: During test mode, the load will only remain ON if it senses movement within 15 seconds. After the test period, it will return to its intended operation.



Insert or wrap wire as shown.
Tighten screw in the clockwise direction.

SENSOR ADJUSTMENT & PROGRAMMING

Custom setup features are intended for installing personnel. Therefore, the Program Mode switch is located behind the cover plate.

To enable the Programming mode, the single DIP switch must be in the ON (Program) position.

Programming the CWP100:

1. Remove the wall plate.
2. Slide the Program Mode switch to the ON (Program) position. Make note of how many times the LED flashes. The number of flashes indicates the current time delay selection. (See Program Mode Selections chart.)
3. Press the ON/OFF button to advance through the delay selections. When the desired selection is reached, slide the Program Mode switch back to the 1 (End User) position.
4. The CWP100 will operate in Test Mode for five (5) minutes. During this period, the time delay will be 15 seconds. After five (5) minutes, the CWP100 will use the selected time delay.

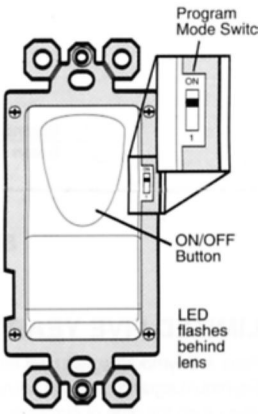
NOTE: Do not leave the Program Mode Switch in the ON (Program) position. The CWP100 will only operate proper in the 1 (End User) position.

If the light is on and the sensor remains in Program Mode for more than 15 minutes the light automatically turns OFF.

Program Mode Selections:

Flashes	Time Delay
o	1 minute
oo	5 minutes
ooo	10 minutes
oooo	15 minutes*
ooooo	20 minutes
oooooo	30 minutes

* Factory default



CWP100

TROUBLESHOOTING

To test the CWP100:

Initiate the CWP100 Test Mode by sliding the Program Mode Switch up to the ON (Program) position then back to the 1 (End User) position.

When the switch is returned to the 1 (End User) position, there will be a five-minute test period. During this period, the time dela will be 15 seconds.

Move within the coverage zone at the CWP100 to trigger detection, then move out of the coverage zone (see Coverage Patterns section). The load should turn off within 15 seconds. Repeat as necessary to ensure that the desired coverage areas are within detection range.

Lights will not turn on:

1. Press ON/OFF button, lights should go on.
2. Make certain that the circuit breaker is on and functioning.
3. Make sure that the Program Mode switch is at the 1 (End User) position.
4. Check sensor wire connections to the load.
5. Check wiring connections to the sensor.
6. Check the lamp.
7. Call (800) 223-4185 for technical support.

Lights turn off while the space is occupied:

1. Make sure nothing is blocking the sensor's lens.
2. If the occupants have been very still (motionless) for the duration of the time delay, this is normal operation. To automatically turn the lights back on, make motion in the sensor's view within 30 seconds of the shut-off.

LED is flashing and lights turn OFF after 15 minutes:

1. Sensor is in Program Mode.
2. See the SENSOR ADJUSTMENT & PROGRAMMING sectio for the location of the Program Mode Switch.
3. Put the switch in the 1 (End User) mode.